

VS-PN-CABLE-1020/PVC-5X2,5/100 - Power cable



1609523

<https://www.phoenixcontact.com/us/products/1609523>

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PROFINET power cable, 5x 2.5 mm², stranded (7-wire), outer sheath: PVC, outside diameter 11.8 mm, RAL 7001 (silver gray), oil-resistant, cable ring: 100 m



Commercial data

Item number	1609523
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF1LDA
Catalog page	Page 216 (PC-2007)
GTIN	4046356166881
Weight per piece (including packing)	24,070 g
Weight per piece (excluding packing)	24,070 g
Country of origin	DE

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Technical data

Product properties

Product type	Data cable by the meter
Sensor type	PROFINET/power
Number of positions	5

Electrical properties

Rated voltage (III/3)	750 V
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Interfaces

Signal type/category	PROFINET/power
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Cable/line

Cable length	100 m
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PVC gray [PVC]

Cable weight	242 kg/km
Number of positions	5
Shielded	no
Cable type	PVC gray [PVC]
Conductor cross section	5x 2.5 mm ²
External cable diameter	11.80 mm
Outer sheath, material	PVC
External sheath, color	gray RAL 7001
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	blue, brown, black, gray, green/yellow
Overall twist	5 cores, twisted
Insulation resistance	> 0.2 MΩ*km
Nominal voltage, cable	750 V 1000 V (Fixed, protected installation)
Test voltage	4000 V
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	15 x D
Smallest bending radius, fixed installation	48 mm
Smallest bending radius, movable installation	177 mm
Flame resistance	according to IEC 60332-1-2
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 70 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
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-5 °C ... 70 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-11.0	27060106
ECLASS-12.0	27060106
ECLASS-13.0	27060106

ETIM

ETIM 9.0	EC003250
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Accessories

AI 2,5 -10 BU - Ferrule

3202533

<https://www.phoenixcontact.com/us/products/3202533>



Ferrule, sleeve length: 10 mm, color: blue

CUC-PPC-C2ZNI-SX/24FKP5 - Power connector

1421783

<https://www.phoenixcontact.com/us/products/1421783>



Power connector, design: Version 14, degree of protection: IP65/IP67, number of positions: 5, material: Metal, connection method: Spring-cage connection, connection cross section: AWG 18- 13, cable outlet: straight, Universal

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CUC-PPC-C2ZNI-SX/24FKP5:FC - Power connector

1425514

<https://www.phoenixcontact.com/us/products/1425514>



Power connector, degree of protection: IP65/IP67, number of positions: 5, material: Metal, connection method: Spring-cage connection, connection cross section: AWG 18- 13, cable outlet: straight, Universal

CUC-V14-F2ZNI-EM/24FN5:FC - Panel feed-through

1408235

<https://www.phoenixcontact.com/us/products/1408235>



Push/pull panel mounting frame, metal, version 14, including contact insert with spring-cage connection, flexible coding, for rectangular mounting cutout, with seal, without fixing screws

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CRIMPFOX ZA 3 - Tool

1201882

<https://www.phoenixcontact.com/us/products/1201882>



Crimping pliers, for ferrules in accordance with DIN 46228-1: 1992-08 and DIN 46228-4: 1990-09

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